

Computational of whole number reasoning best trick | #SSC #CHSL #CGI #SSC

Status	Done
Chapter	Computation of Whole Numbers
Course	Staff Selection Commission Multi-Tasking Staff (SSC MTS)
Content Type	Questions and Answers
Reference	
Subject	Numerical Aptitude
Topic	
Last updated by Ruhul Amin	@May 10, 2023 6:38 PM
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Difficulty Level	Easy
Mistake type	
Previous Year Questions	
Children	Numerical Aptitude : Computation of Whole Numbers
Parent	

Question: The profit of a business to be divided in ratio 5:7.
The smaller share amount is 2000.
What is the larger share?

Options :

- (A) 2800
- (B) 1166
- (C) 2500
- (D) 2750

Solution:

Given ratio = 5:7

Smallest share amount = 2000

largest " " = ?

let assume x be the largest share.

$$5:7 = 2000:x$$

$$7 \times 2000 = 5x$$

$$5x = 14000$$

$$x = 2800 \quad \text{Answer}$$

Correct option: (A)

Solution by options :

Option A

$$2000 : 2800$$

$$= 5 : 7$$

Ans.

let's check other options as well

Option B $2000 : 1166 \neq 5 : 7$

Option C $2000 : 2500$

$$4 : 5 \neq 5 : 7$$

Option D $2000 : 2750 \neq 5 : 7$

Question : A boy takes 15 minute to walk to school at a speed of 5 km/hr. How much time would he take if he cycled at 15 km/hr?

Solution:

$$\text{time} = 15 \text{ min}$$

$$\text{speed} = 5 \text{ km/hr}$$

$$\text{distance} = \text{speed} \times \text{time}$$

$$= 5 \frac{\text{km}}{\text{hr}} \times \frac{15}{60} \text{ hr}$$

$$= \frac{5}{4} \text{ km}$$

$$\text{speed} = 15 \text{ km/hr}$$

$$\text{distance} = \frac{5}{4} \text{ km}$$

$$\text{time} = \frac{\text{distance}}{\text{speed}}$$

$$= \frac{5}{4} \text{ km} \times \frac{1}{15} \frac{\text{hr}}{\text{km}}$$

$$= \frac{1}{12} \text{ hr}$$

$$= \frac{60}{12} \text{ min}$$

$$\text{time} = 5 \text{ min}$$

$$\text{Ans} = 5 \text{ min}$$

Reference

Computational reasoning best trick | #SSC #CHSL #CGI #SSC <https://youtu.be/0zaRTrMtzy>

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whole numbers

number system

➡ <https://www.youtube.com/watch?v=UB5QNpNrfKo>

